



US Army Corps
of Engineers®
Omaha District

Missouri Valley, Iowa, Boyer River

Authority: Section 22, Planning Assistance to States and Tribes,
Water Resources Development Act 1974, 1990

Sponsor: Iowa Department of Transportation



LOCATION AND DESCRIPTION: The Boyer River flows into Missouri Valley from the northeast. Willow Creek flows into the town from the north. The confluence of Boyer River and Willow Creek is located at the southern base of a Missouri River bluff. The City of Missouri Valley, Iowa, is also located at the base of that bluff.

PROBLEM AND NEED: An east-west highway, Highway 30, is currently routed through the town, causing traffic congestion. Re-routing Highway 30 around the historic downtown area will provide the double benefit of flood damage reduction along the Boyer River and the alleviation of traffic congestion in the downtown business district.

PROPOSED ACTIVITIES FOR FY07: The sponsor has requested that the U.S. Corps of Engineers, Omaha District (Corps), conduct an additional study of the Highway 30 bypass/levee to determine the percentage that could be designated for flood damage reduction. The proposed bypass also has the potential to back up Willow Creek, which flows into Missouri Valley from the north. Of concern are the recent developments along the current alignment of Highway 30 on the flood plain between the historic section of the town of Missouri Valley and Interstate 29.

| <u>Financial Data</u> | <u>Amount</u> |
|-----------------------------|---------------|
| FY07 Anticipated Allocation | TBD /1 |
| FY08 Budget Request | \$0/2 |
| FY08 Capability | \$23,000/2 |

/1 – 50-50 Cost Share Authority Section 22 of WRDA 1986. Their 50 percent, \$16,000, is a cash deposit.
/2 – Capability is dependent on whether funds are received in FY07. Currently, the Section 22 study/work could be completed in FY07, with funding.

ISSUES AND OTHER INFORMATION: Model outputs are Expected Annual Damage (EAD), flood damage by event, and the depth of flooding. Additional tables with detailed information down to a structure-by-structure level will be used as needed. Estimates of infrastructure damages, National Flood Insurance Program administrative cost saving, and savings from avoided cost for fill or flood proofing will also be prepared.